

## EENS Job Risk Assessment

<b>Name(s) of Specific Application Risk Team Members:</b> J. Adams, B. Bowerman, W. Brown, Y. Celebi, D. Elling, J. Fitts, J. Madaia, A. Piper, A. Sedlacek	<b>Point Value → Parameter ↓</b>	1	2	3	4	5
<b>Job Title: Use of Powered and Non-Powered Hand Held Tools</b>  <b>Job Number or Job Identifier:</b> EENS-JRA-013  <b>JRA Date:</b>	<b>Frequency (B)</b>	≤once/year	≤once/month	≤once/week	≤once/shift	>once/shift
<b>Job Description:</b> Use of powered and non-powered hand held tools for construction, assembly or repair of equipment	<b>Severity (C)</b>	First Aid Only	Medical Treatment	Lost Time	Partial Disability	Death or Permanent Disability
<b>Training Procedures List (Optional):</b>	<b>Likelihood (D)</b>	Very Unlikely	Unlikely	Possible	Probable	Multiple
<b>Approved by:</b> <b>Date:</b> 4/27/06 <b>Rev. #:</b> Draft						
<b>Stressors (if applicable, please list all):</b> Poor Lighting, Time constraints		<b>Reason for Revision (if applicable):</b>			<b>Comments:</b>	

			Before Additional Controls							After Additional Controls						
Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
Using non-powered hand held tools	Laceration, contusion, abrasion	Keep work area free of sharp objects, inspection of tool to verify proper condition, secure the work, proper positioning of the work, cut resistant gloves, retractable knives, use of proper tools for the job, maintain good grip on tool and part	Y	1	5	1	4	20								

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Activity	Hazard	Control(s)	Stressor	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	Control(s) Added to Reduce Risk	Stressors	# of People A	Frequency B	Severity C	Likelihood D	Risk* AxBxCxD	% Risk Reduction
	Strain or overexertion, repetitive motion strain	Proper body positioning if possible, secure work, proper tool selection, ergonomic reviews, work breaks	Y	1	4	2	3	24								
	Struck by debris such as chips	Safety glasses with side shields, full face shield as appropriate, proper positioning/securing of work	Y	1	2	1	3	6								
Using hand-held power tools	Laceration, contusion, abrasion	Keep work area free of sharp objects, inspection of tool to verify proper condition, secure the work, proper positioning of the work, cut resistant gloves, use of proper tools for the job, maintain good grip on tool and part, safety shoes, safety glasses with side shields, proper clothing, blade guards, full face shield as appropriate	Y	1	5	2	3	30								
	Electric shock	Inspection of cord/plug/GFCI, ground continuity test, NRTL equipment, Tier 1 inspections, double insulated and/or grounded tools	Y	1	5	1	2	10								
	Contact with hot surfaces	Verify guards are in place, use of cutting fluids, gloves as appropriate, use of sharp blades/bits to minimize heat generation	Y	1	3	1	3	9								
	Overexertion, strains/sprains, slips/falls, from poor body positioning or reaching for access	Proper equipment selection for the task, maintain adequate grip on tools, inspection of tools prior to work, appropriate PPE, work planning, adequate work space, secure work, good house keeping practices	Y	1	4	3	4	48								

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	Overexertion from repetitive motion	Proper body positioning if possible, secure work, proper tool selection, ergonomic reviews, work breaks	Y	1	4	2	3	24								
	Flying sparks/debris/chips from power tool use	Safety glasses with side shields, full face shield as appropriate, proper tool selection for the job, proper positioning of work, securement of work, good housekeeping, proper clothing for task	Y	1	2	1	4	8								
	Being caught or pulled into rotating tools	Breakaway lanyard, proper clothing for the task, verify guards are in place	Y	1	5	2	2	20								
Further Description of Controls Added to Reduce Risk:																
*Risk:	0 to 20 Negligible	21 to 40 Acceptable	41 to 60 Moderate					61 to 80 Substantial					81 or greater Intolerable			